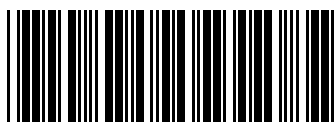




Installation instructions

Akrapovič Exhaust Systems
**RACING & EVOLUTION SINGLE,
RACING & EVOLUTION TWIN,
EVOLUTION TWIN CONICAL SHAPE**
for the
Suzuki GSX-R 1000 2009



502283

www.akrapovic.com

Congratulations on purchasing an Akrapovič exhaust system. Please read these installation instructions carefully. If you have any trouble installing the system please contact your authorized dealer!

IMPORTANT INFORMATION

Exclusion of Certain Liability

1. The manufacturer, importer or dealer shall not be liable for any incidental damage including personal injury or any other damages caused by improper installation or operation of the Akrapovič exhaust system. When installing the Akrapovič exhaust system be careful that the exhaust system does not touch other parts sensitive to high temperature.
2. Akrapovič makes no representation or warranties with regard to damage caused by the improper installation, use and maintenance of the Akrapovič exhaust system. The warranty is limited to defects recognized by our technical department and due to normal use, and excludes items subject to normal wear (gaskets and damping wool). The guarantee is void in case of accident, modification, improper or competition use.
3. Do not attempt to install the Akrapovič exhaust system on a vehicle model for which it was not made or tested by Akrapovič.
4. When the exhaust system gets very hot during operation, be careful not to burn yourself on the exhaust system or parts which are in direct contact with it, even when the engine is not running. Also protect other people, especially children, from the injuries mentioned above.
5. In some cases Akrapovič exhaust system kits contain chemical products (ceramic anti-seizing grease; bolt sealant). Handle with care, do not inhale or swallow. Avoid excessive contact with skin, eyes or mucous membranes. Keep out of reach of children.
6. Technical specifications of Akrapovič exhaust systems and related products are subject to change without notice.

Trademarks

The Akrapovič Exhaust System Technology logo is a registered trademark of Akrapovič d.d.

Akrapovič website

Information about Akrapovič exhaust systems and related products is available on the Akrapovič website at:

<http://www.akrapovic.com>

Copyright

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Symbols

The following symbols are used throughout these installation instructions:



TOOLS REQUIRED



TIGHTENING TORQUE



INSTALLATION TIP



CAUTION OR WARNING



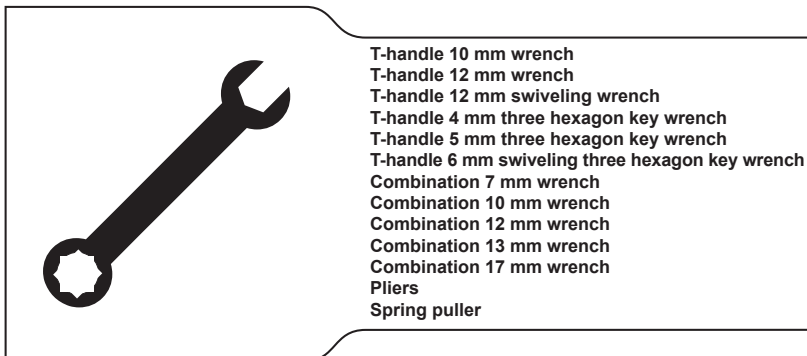
USE BOLT SEALANT; Apply 3 to 4 small drops of bolt sealant onto the cleaned and degreased threads before tightening the bolts. **WARNING! Avoid contact with skin, eyes and mucous membranes. Do not inhale fumes. Keep out of reach of children.**



USE ANTI-SEIZE LEAD-FREE COPPER PASTE (black tube); Provides trouble-free and long-lasting protection against seizing, corrosion and rusting of bolts, threaded ends, nuts, joints, etc. Also protects against vibration, wear and impact. **WARNING! Avoid eye contact. Avoid excessive skin contact. Keep out of reach of children.**



USE ANTI-SEIZING GREASE (white tube); Prevents seizing, corrosion and excessive wear between the titanium components of your exhaust system. **WARNING! Avoid eye contact. Avoid excessive skin contact. Keep out of reach of children.**



BEFORE INSTALLING, CHECK SCHEMATIC OF THE EXHAUST SYSTEM!



IF ANY ITEMS IN THE AKRAPOVIČ EXHAUST SYSTEM PACKAGE ARE MISSING, PLEASE CONTACT YOUR AUTHORIZED DEALER. KEEP THE SCHEMATIC FOR FUTURE REFERENCE.



THESE INSTALLATION INSTRUCTIONS MUST BE READ CAREFULLY IN ORDER TO ENSURE PROPER INSTALLATION AND OPERATION OF THE AKRAPOVIČ EXHAUST SYSTEM.



THE EXHAUST SYSTEM CAN BE EXTREMELY HOT. ALLOW THE EXHAUST AND ENGINE TO COOL DOWN BEFORE BEGINNING INSTALLATION.



WE ADVISE YOU TO LEAVE INSTALLATION TO A QUALIFIED SERVICEMAN. IMPROPER INSTALLATION MAY RESULT IN A SHORTER LIFETIME OF THE EXHAUST SYSTEM AND/OR DAMAGE TO THE VEHICLE.

REMOVAL OF STOCK EXHAUST SYSTEM

1. Put the motorcycle on a side stand, we recommend a racing stand. Make sure, that surface is solid and flat.
2. Unscrew the marked bolt from the metal clamp at the muffler - catalytic converter box joint and bolt from muffler bracket. Remove the muffler. Perform the process on both sides of the motorcycle (**Figure 1**).



Figure 1

3. Untighten the bolt of the stock metal clamp. Unscrew and remove the marked bolts of the catalytic converter box brackets and remove the marked bracket (**Figure 2**).

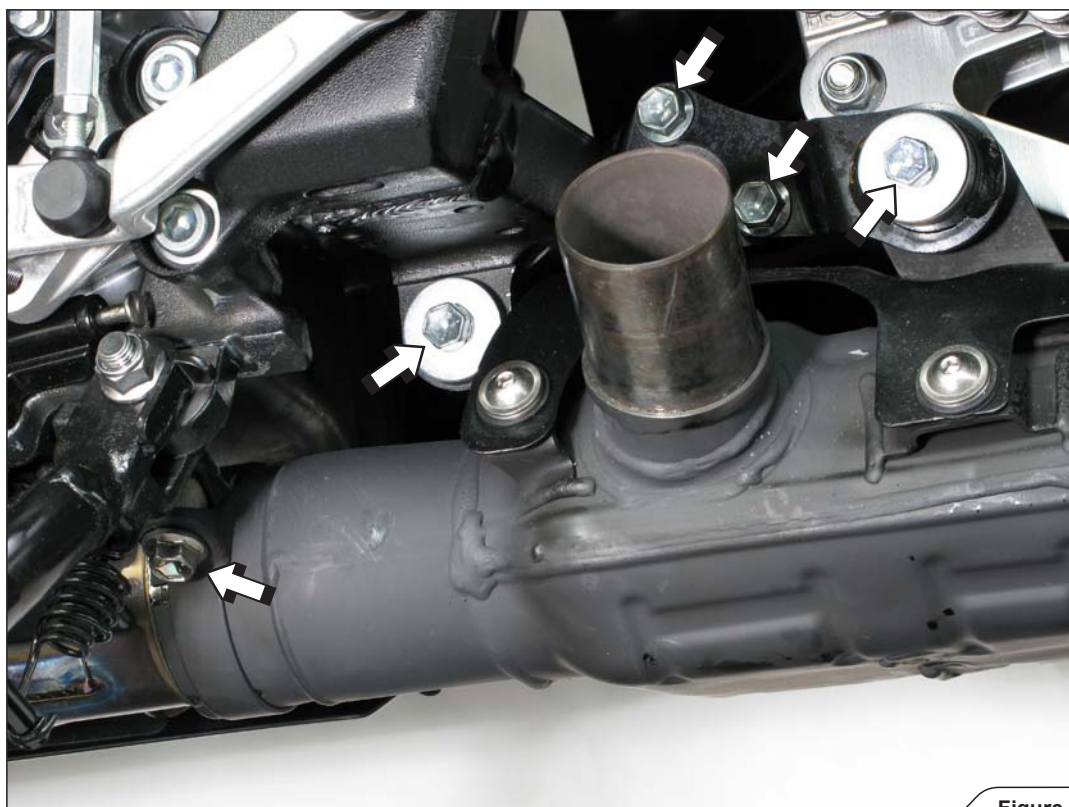


Figure 2

4. Unscrew the marked bolts and remove the stock heat shield (Figure 3, 4).



Figure 3



Figure 4

5. Unscrew and remove the marked bolt of the catalytic converter box bracket and unscrew the lambda sensor. Remove the catalytic converter box and the metal collars from the catalytic converter box brackets (Figure 5, 6).

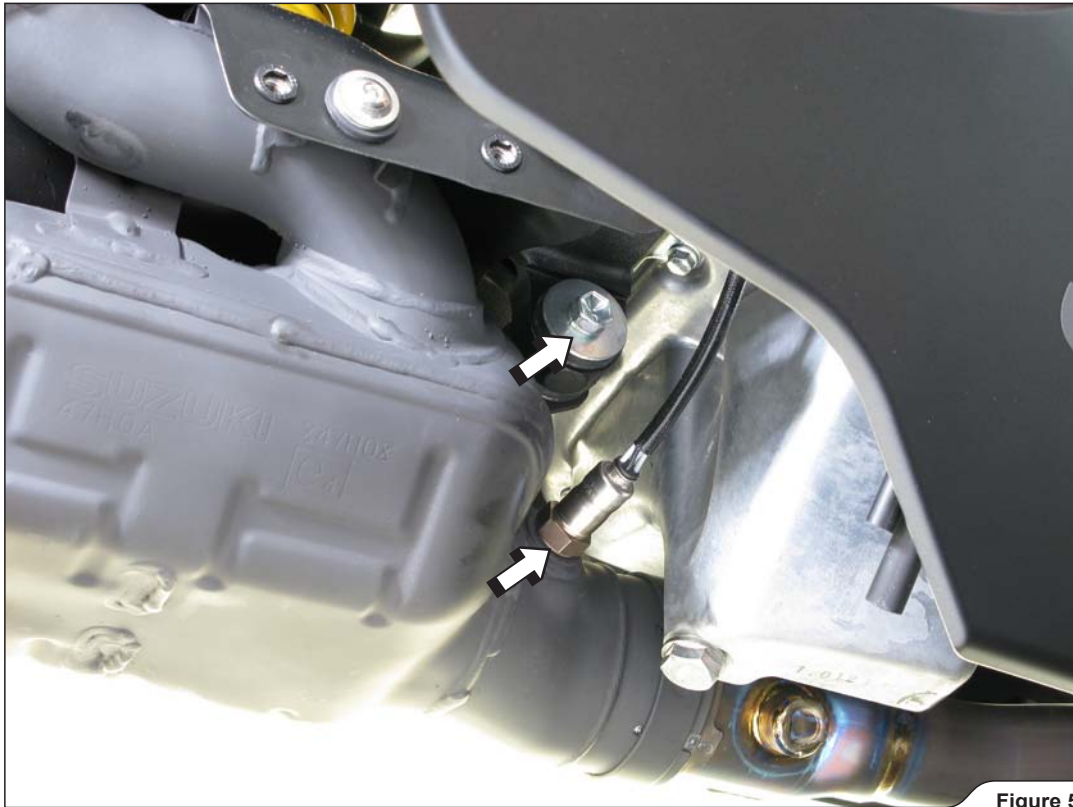


Figure 5

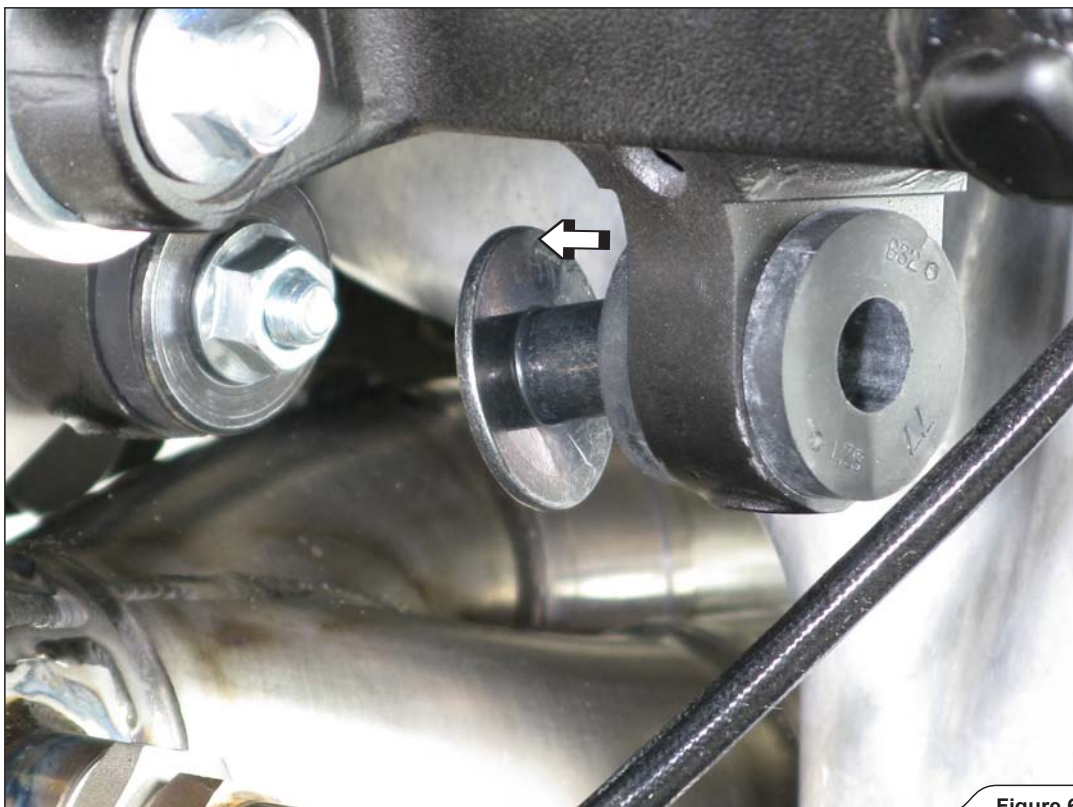


Figure 6

6. Unscrew the marked bolts and remove the marked plastic fasteners from the left and right side of the cowling (Figure 7, 8, 9, 10).



Figure 7



Figure 8



Figure 9



Figure 10

7. Unscrew the bolt from the water cooler hanging bracket and slightly remove cooler (Figure 11).
! **WARNING: do not disconnect the cooling system tubes!**

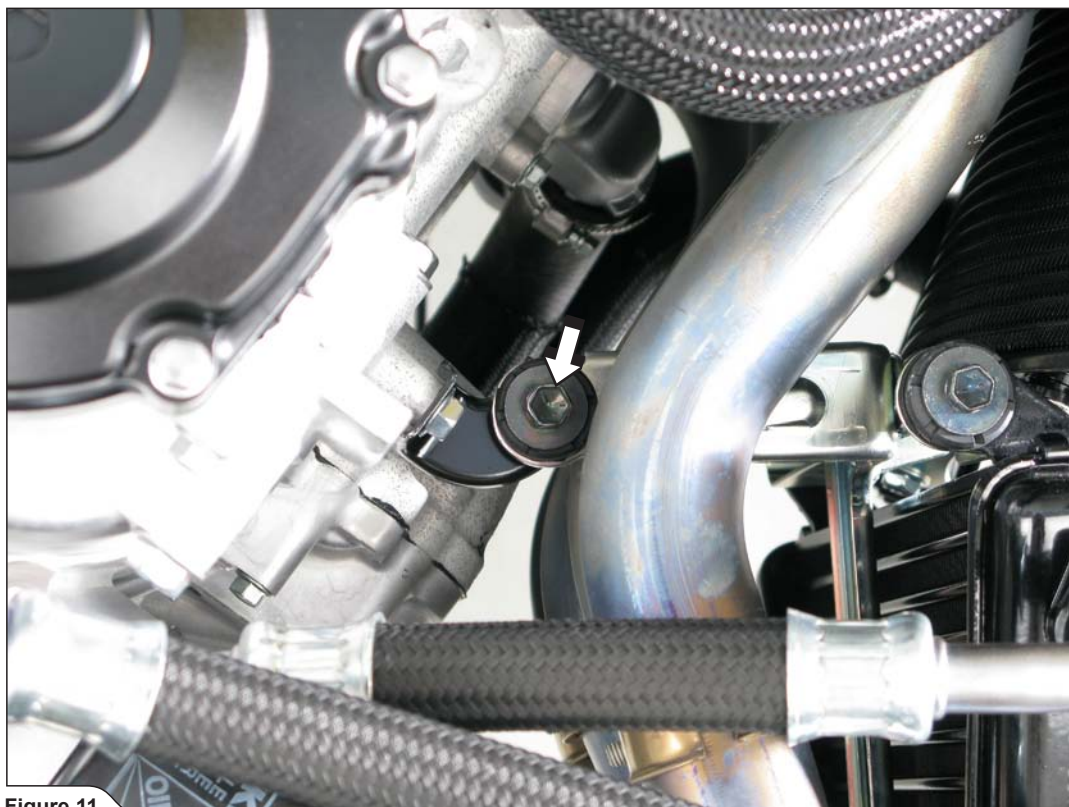


Figure 11

8. Unscrew the marked bolt. Remove the servo motor wheel and cables from the exhaust valve servo motor (Figure 12).
! **WARNING: do not remove or disconnect the servo motor!**
! **WARNING: do not turn the the servo motor wheel with force or the servo motor could be damaged. Hold the servo wheel in place with pliers when unscrewing!**

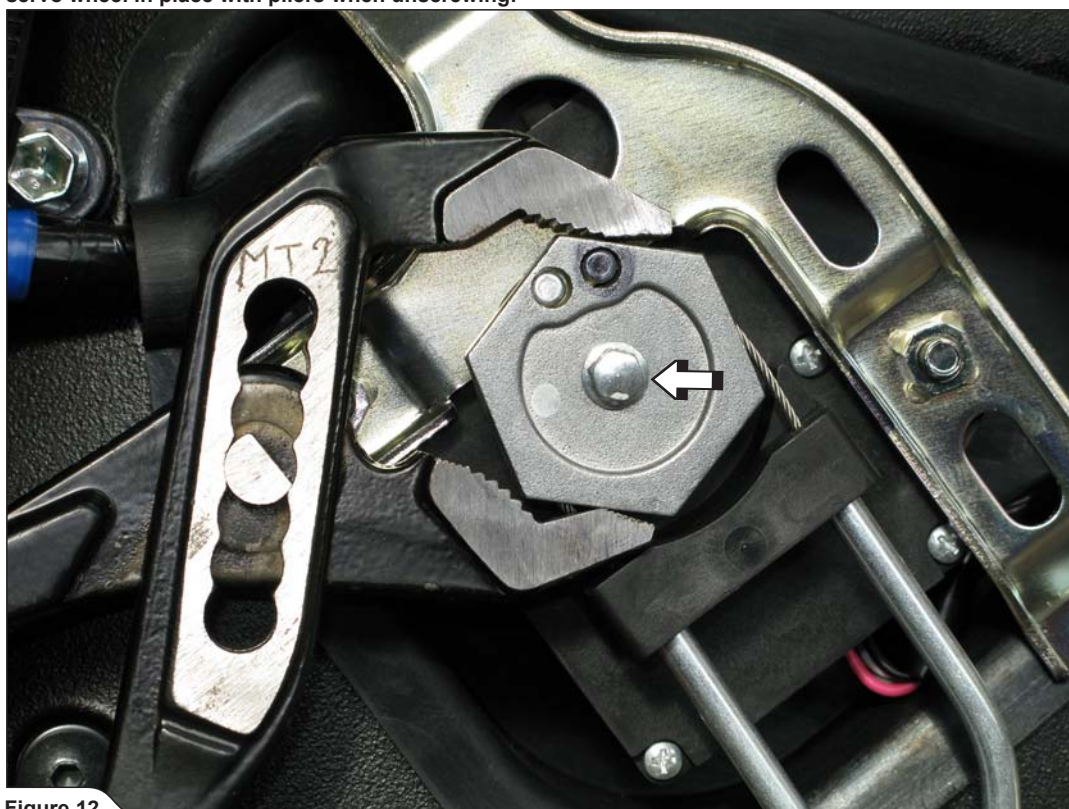


Figure 12

9. Unscrew the bolts from the header tube flanges and remove the stock header tubes; make sure not to damage the cooling fins (**Figure 13**).



Figure 13

INSTALLATION OF THE AKRAPOVIČ RACING & EVOLUTION SINGLE, RACING & EVOLUTION TWIN, EVOLUTION TWIN CONICAL SHAPE EXHAUST SYSTEM:

1. Set up the sleeves together with the flanges and springs; make sure they are correctly oriented. Tighten the flanges (Figure 14, 15).



Figure 14

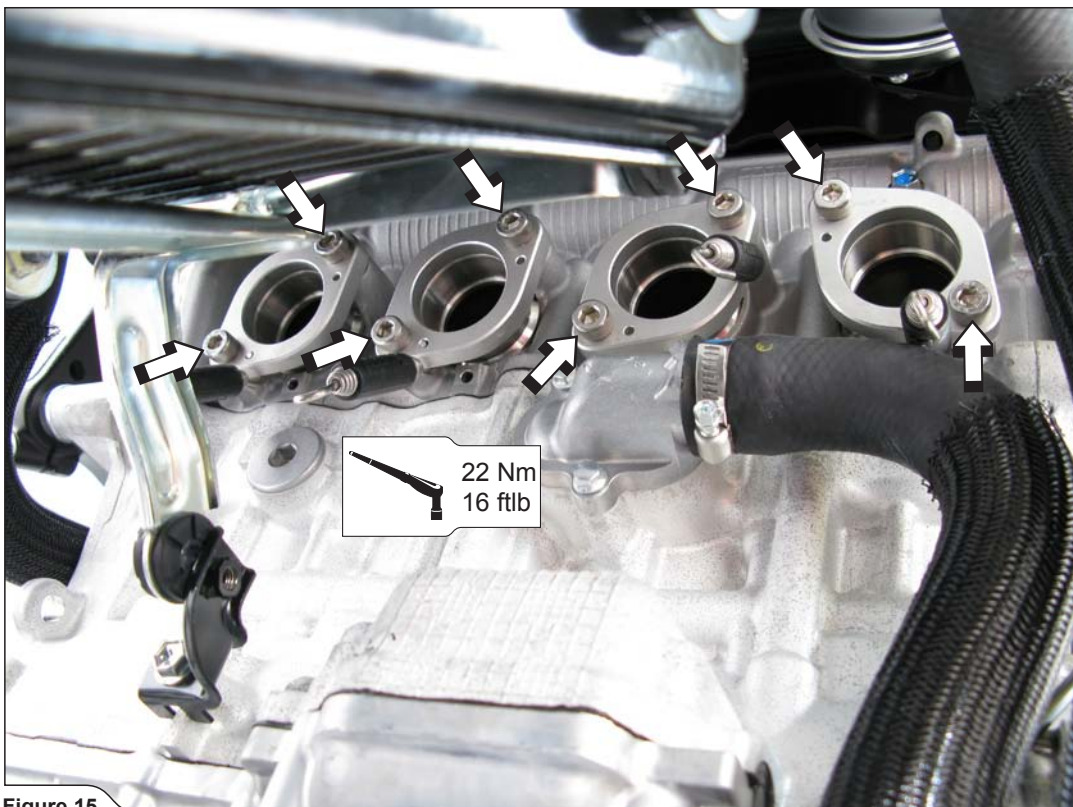


Figure 15

2. Correctly position and tighten the Akrapovič servo motor rotation limiter (Figure 16).
! **WARNING:** do not turn the servo motor wheel with force or the servo motor could be damaged. Hold the rotation limiter in place with pliers when tightening!



Figure 16

3. Insert the header tubes properly and attach the springs (Figure 17).
! **WARNING:** make sure, that springs pull the headers all the way into the sleeves – use rubber mallet if necessary to tap the connections into place!



Figure 17

- Slide the collectors onto the header tubes and attach the springs (Figure 18).
- !** **WARNING:** make sure, that springs pull the collectors all the way onto the headers – use rubber mallet if necessary to tap the connections into place!
- ✂** **INSTALLATION TIP:** for evolution exhaust, coat the interior side of the input bushes of the titanium collectors with Akrapovič ceramic anti-seizing grease(white tube).

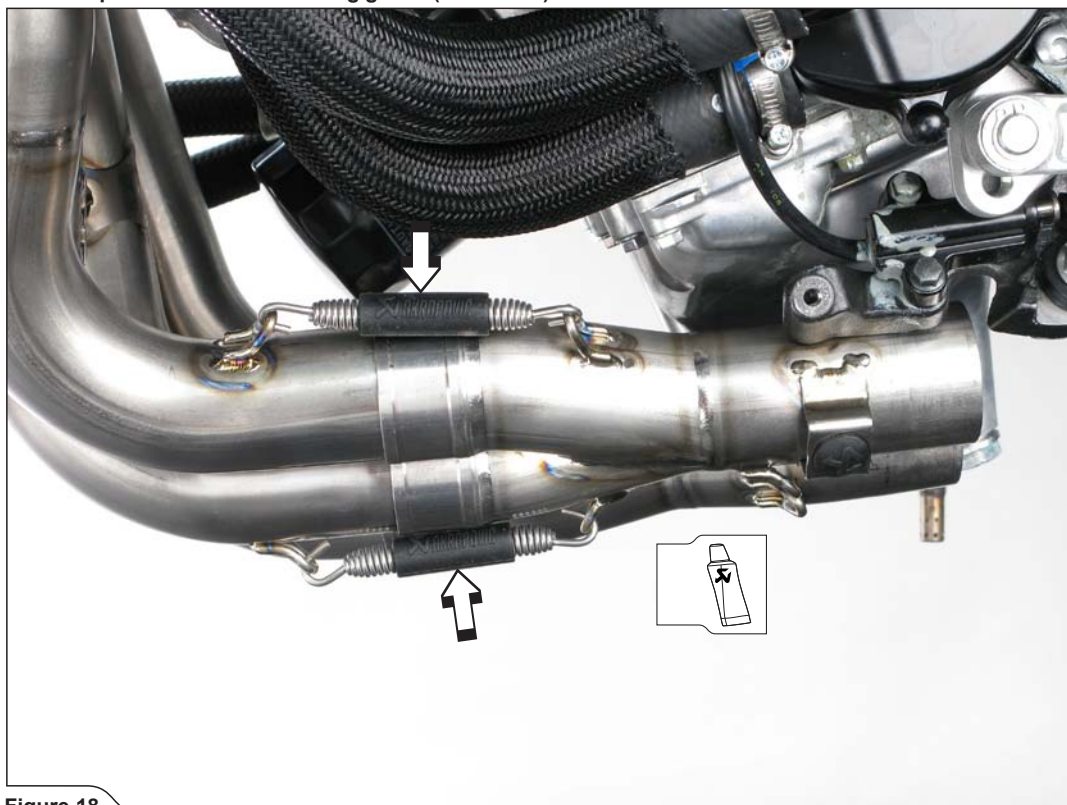


Figure 18

- Reattach the water cooler bracket in the reverse order from the order in which it was removed (Figure 19).

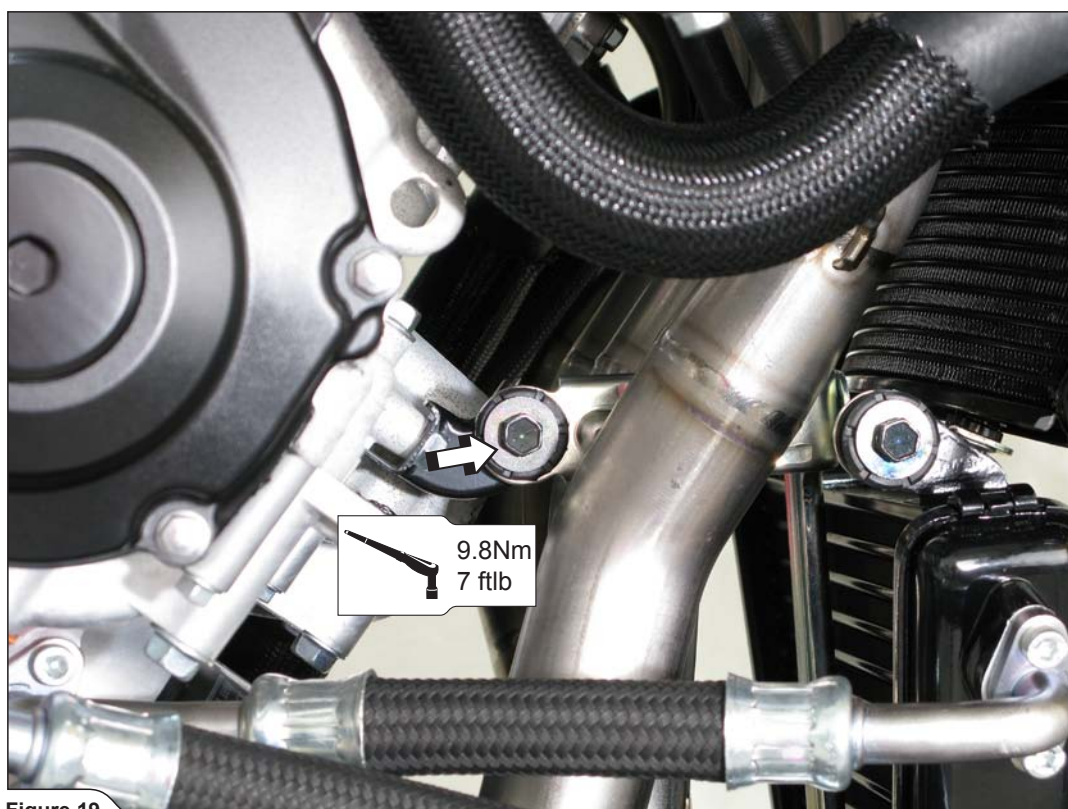


Figure 19

6. Slide the twin link onto the collectors, attach the springs and tighten the twin link bracket using stock bolt, washer and Akrapovič nut (Figure 20).

! **WARNING:** make sure, that springs pull the twin link all the way onto the collectors – use rubber mallet if necessary to tap the connections into place!

✂ **INSTALLATION TIP:** for evolution Twin exhaust, coat the interior side of the input bushes of the titanium twin link with Akrapovič ceramic anti-seizing grease (white tube).

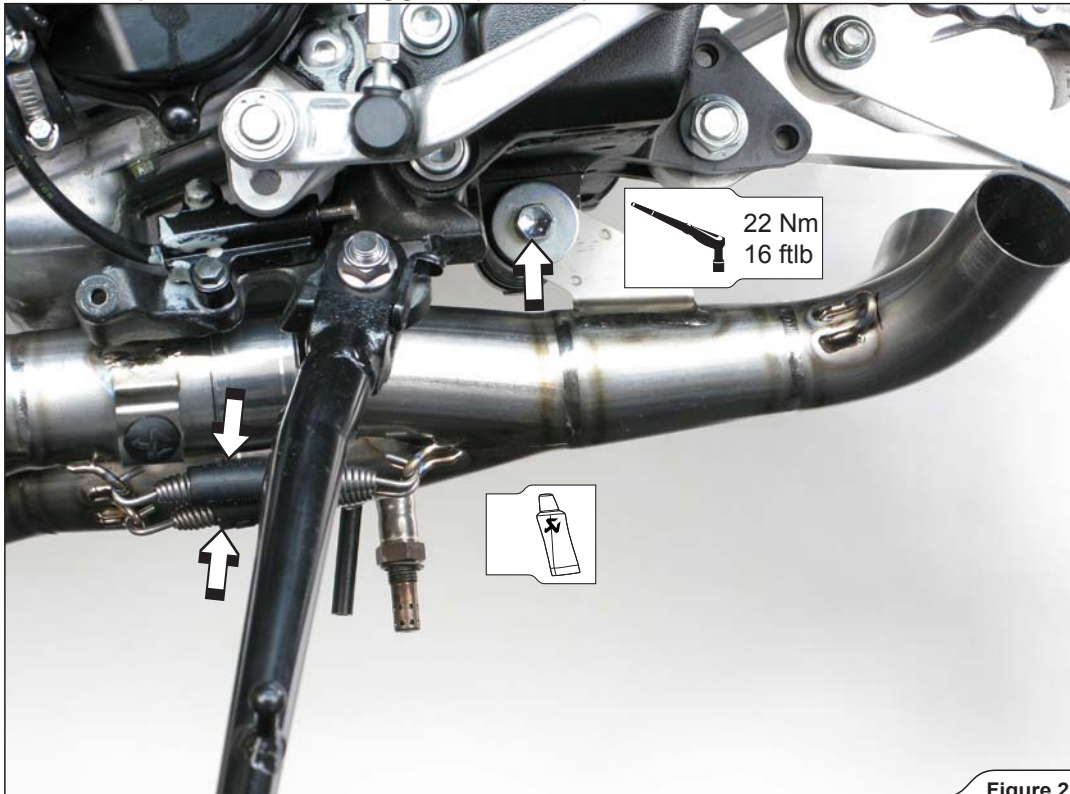


Figure 20

7. Slide the link pipe onto the collectors, and attach the springs (Figure 21).

! **WARNING:** make sure, that springs pull the link pipe all the way onto the collectors – use rubber mallet if necessary to tap the connections into place!

✂ **INSTALLATION TIP:** for evolution Single exhaust, coat the interior side of the input bushes of the titanium link pipe with Akrapovič ceramic anti-seizing grease (white tube).

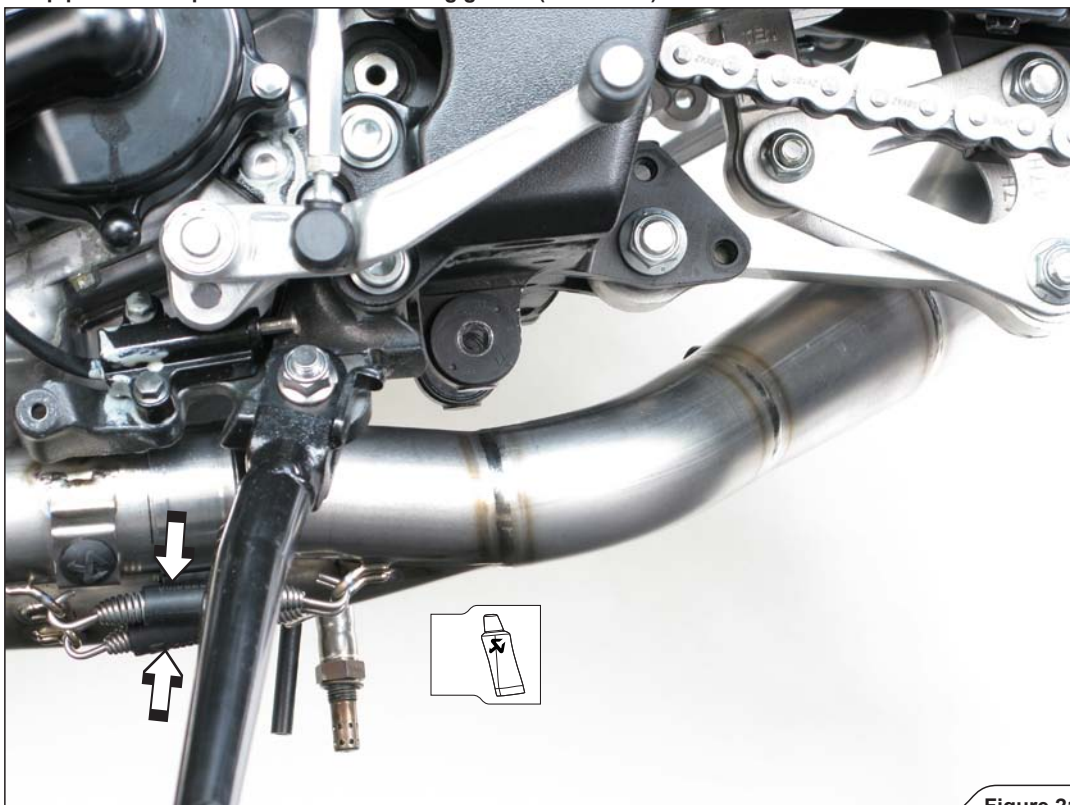


Figure 21

8. Tighten the lambda sensor; make sure not to damage the electrical lead during this process (Figure 22).
! **WARNING:** grease only the threads of the lambda sensor with Akrapovič anti-seize lead-free copper paste (black tube)!

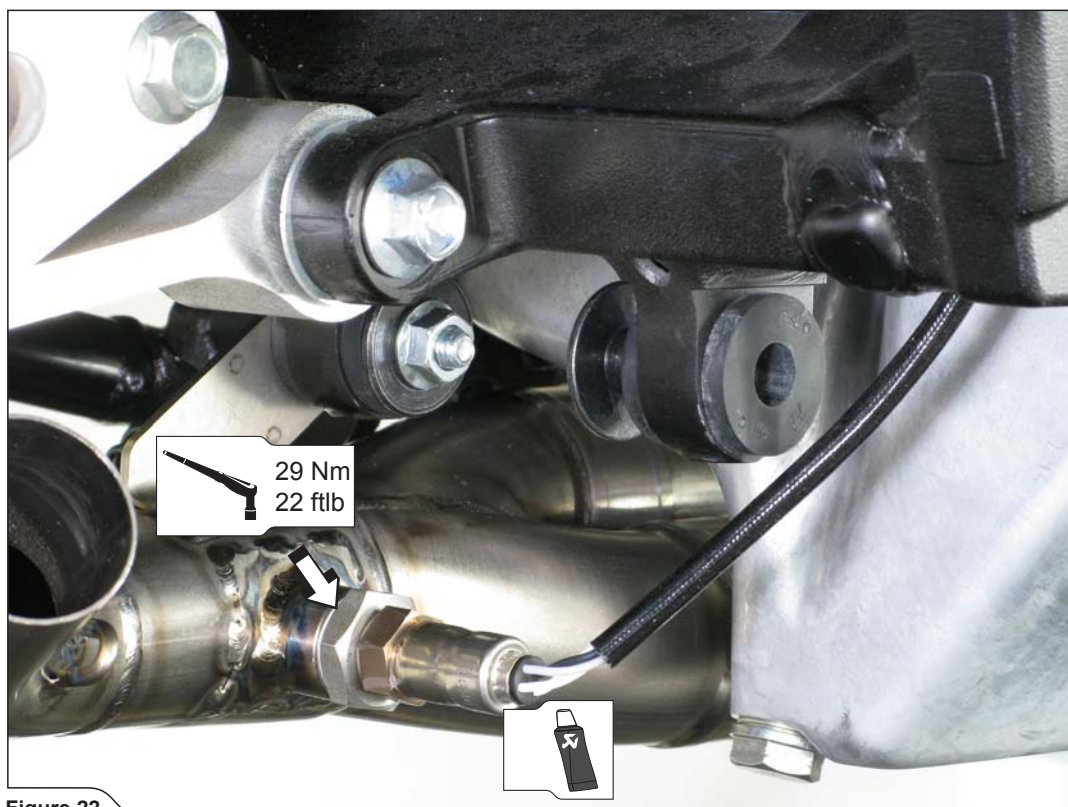


Figure 22

9. Slide the link pipes onto the twin link and attach the springs (Figure 23).
! **WARNING:** make sure, that springs pull the link pipes all the way onto the twin link– use rubber mallet if necessary to tap the connections into place!
✂ **INSTALLATION TIP:** for evolution Twin exhaust, coat the interior side of the input bushes of the titanium link pipe with Akrapovič ceramic anti-seizing grease (white tube).

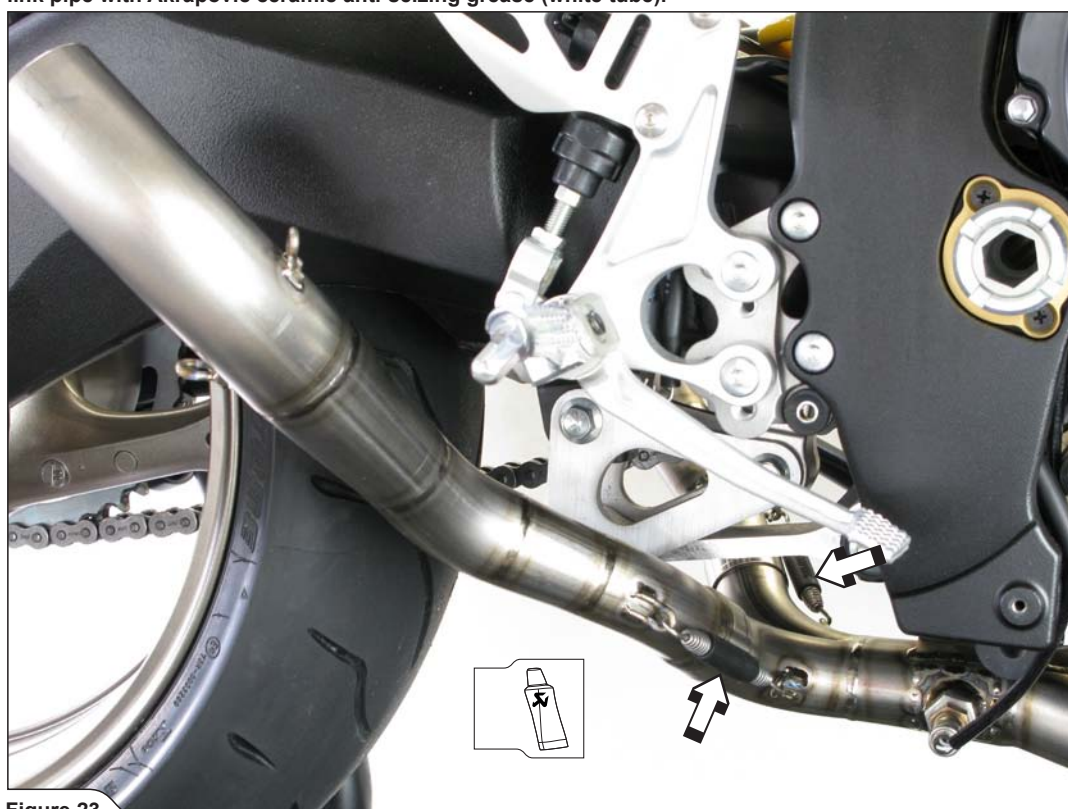


Figure 23

10. For Twin exhaust: correctly position the carbon-fiber clamp and slide them onto the mufflers (Figure 24).
! WARNING: the right offset of the carbon-fiber clamp viewed from the rear for right side and for the left side
! WARNING: open the clamp slightly wider than the diameter of the outer sleeve of the muffler – do not scrape it along the muffler outer sleeve!



Figure 24

11. For Single exhaust: correctly position the carbon-fiber clamp and slide it onto the muffler - bear in mind the left offset of the carbon-fiber clamp viewed from the rear for right side (Figure 25).
! WARNING: open the clamp slightly wider than the diameter of the outer sleeve of the muffler – do not scrape it along the muffler outer sleeve!



Figure 25

12. **For Twin and Single exhaust:** position the muffler(s) correctly and slide it(them) onto the outlet side of the link pipe(s). Attach the springs and tighten the bolt(s) on the carbon-fiber clamp(s)/stock muffler bracket joint (**Figure 26**).
- ! **WARNING:** make sure, that springs pull the muffler(s) all the way onto the link pipe(s) – use rubber mallet if necessary to tap the connections into place!
- ✂ **INSTALLATION TIP:** for titan link pipe(s), coat the interior side of the input of the muffler(s) with Akrapovič ceramic anti-seizing grease (white tube).

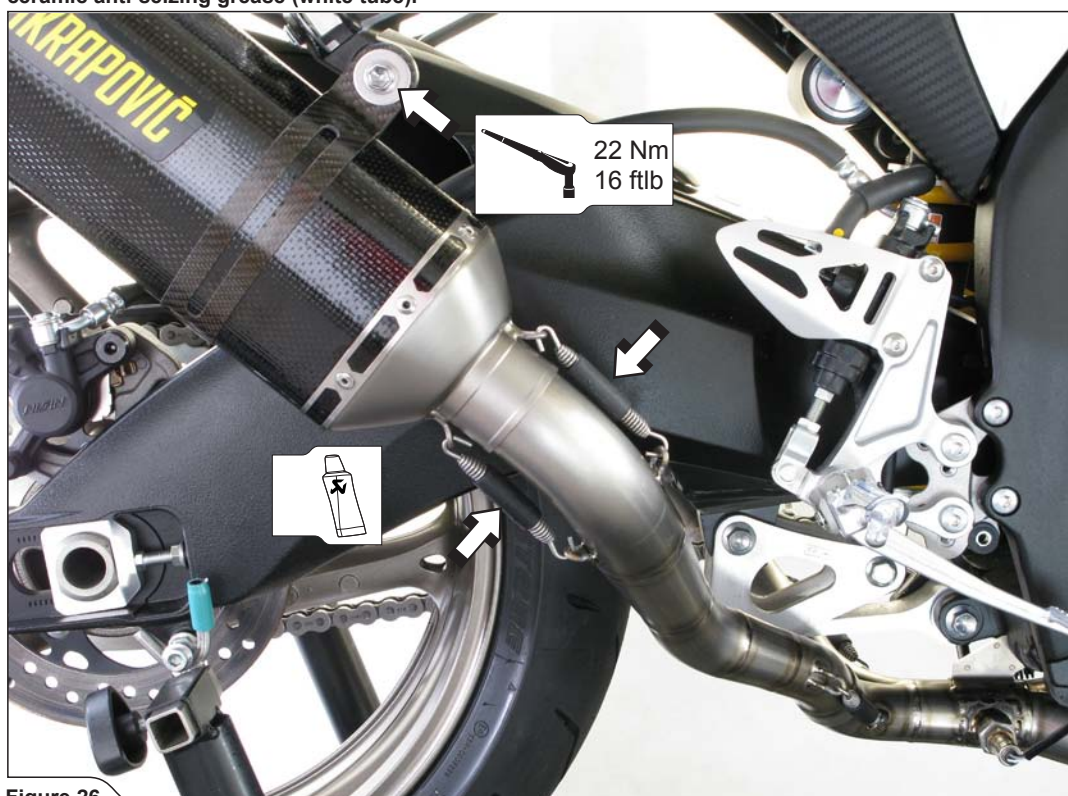


Figure 26

13. **For CONICAL shape mufflers:** position the mufflers correctly and slide them onto the outlet side of the link pipes. Attach the springs and tighten the mufflers bracket onto the stock bracket using stock bolt, washer and nut (**Figure 27**).
- ! **WARNING:** make sure, that springs pull the mufflers all the way onto the link pipes – use rubber mallet if necessary to tap the connections into place!
- ✂ **INSTALLATION TIP:** for titan link pipes, coat the interior side of the input of the mufflers with Akrapovič ceramic anti-seizing grease (white tube).



Figure 27

14. For Single exhaust: remove the left metal collar and rubber damper from the left stock muffler bracket (Figure 28, 29).



Figure 28

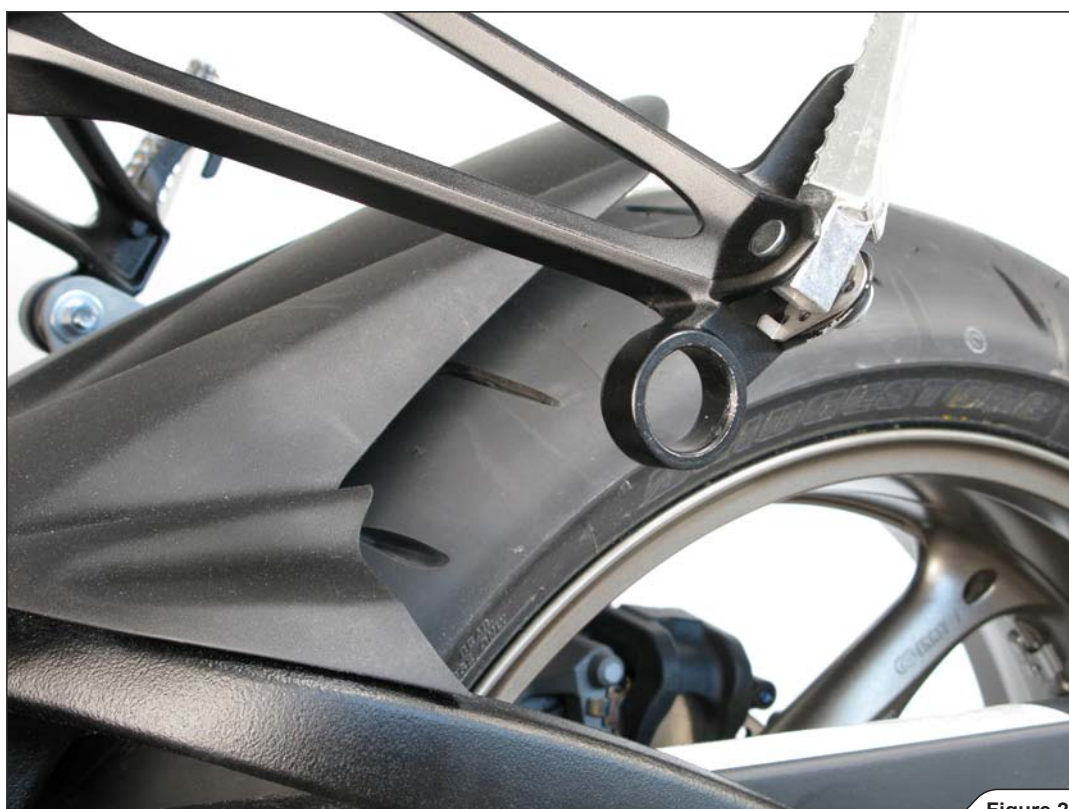


Figure 29

15. For optional carbon-fiber muffler bracket: unscrew the marked bolts and remove the pasangers footrests. Correctly position optional Akrapovič carbon-fiber muffler brackets on the motorcycle, using stock bolts (Figure 30, 31).



Figure 30



Figure 31

16. Tighten the bolt of the carbon-fiber clamp/muffler bracket joint, using Acrapovič bolt, washer and nut (Figure 32).



17. Attach the cowlings in the reverse order from the order in which they were removed (Figure 33).



Final installation:

Clean grease spots:

- a. Muffler – carbon-fiber outer sleeve: use a soft dry cloth.
- b. Muffler – titanium outer sleeve: use a soft cloth sprayed with a multi-purpose spray lubricant (WD-40 or equivalent).
- c. Muffler – carbon-fiber outlet cap: use a soft dry cloth.
- d. RACING - stainless steel link pipe, collectors and header tubes: use a soft cloth sprayed with a contact cleaner, then wipe with a soft dry cloth
- e. EVOLUTION - titanium link pipe, collectors and header tubes : use a soft cloth sprayed with a multi-purpose spray lubricant (WD-40 or equivalent).

Cleaning will prevent spots from burning onto the surface. Do not use aggressive chemical cleaners, because they can damage the sticker.

! WARNING: make sure all the bolts are sufficiently tightened. In case the exhaust system touches the cowling or other parts repeat the adjustment of the exhaust system or contact your authorized dealer.

! WARNING: check vehicle manufacturer manual for tightening torques (for dismantled stock parts)!

! IT IS NORMAL IF WHITE SMOKE COMES OUT OF THE MUFFLER ON FIRST OPERATION.

! DO NOT STAND BEHIND THE MUFFLER ON FIRST OPERATION.

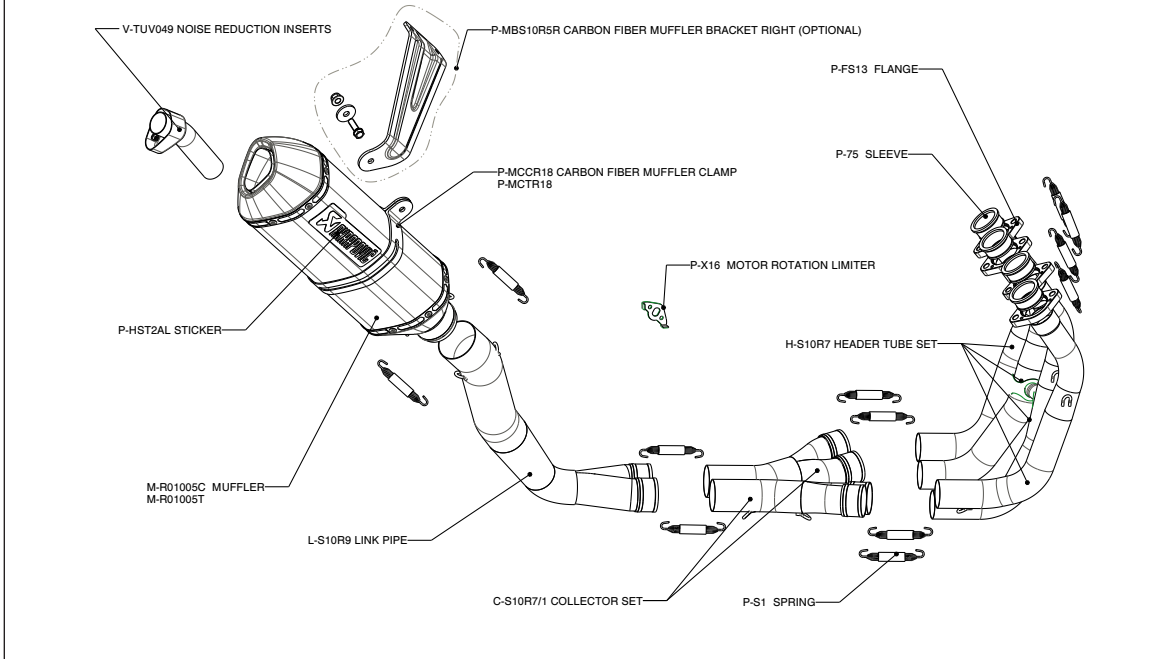
! DO NOT USE AUTOMOTIVE WHEEL CLEANERS OR ANY CLEANING PRODUCTS WHICH CONTAIN ACIDIC ADDITIVES TO CLEAN AKRAPOVIČ EXHAUST SYSTEMS.

MAINTENANCE OF THE AKRAPOVIČ EXHAUST SYSTEM

1. Clean the titanium exhaust components with a multi-purpose spray lubricant (WD-40 or equivalent), carbon fiber exhaust components with soft and dry cloth and stainless steel components with soft cloth sprayed with contact cleaner, then wipe with soft and dry cloth. A change in the color of the exhaust system is normal due to the high temperatures.
2. Periodically make sure all the bolts and springs are sufficiently tight.

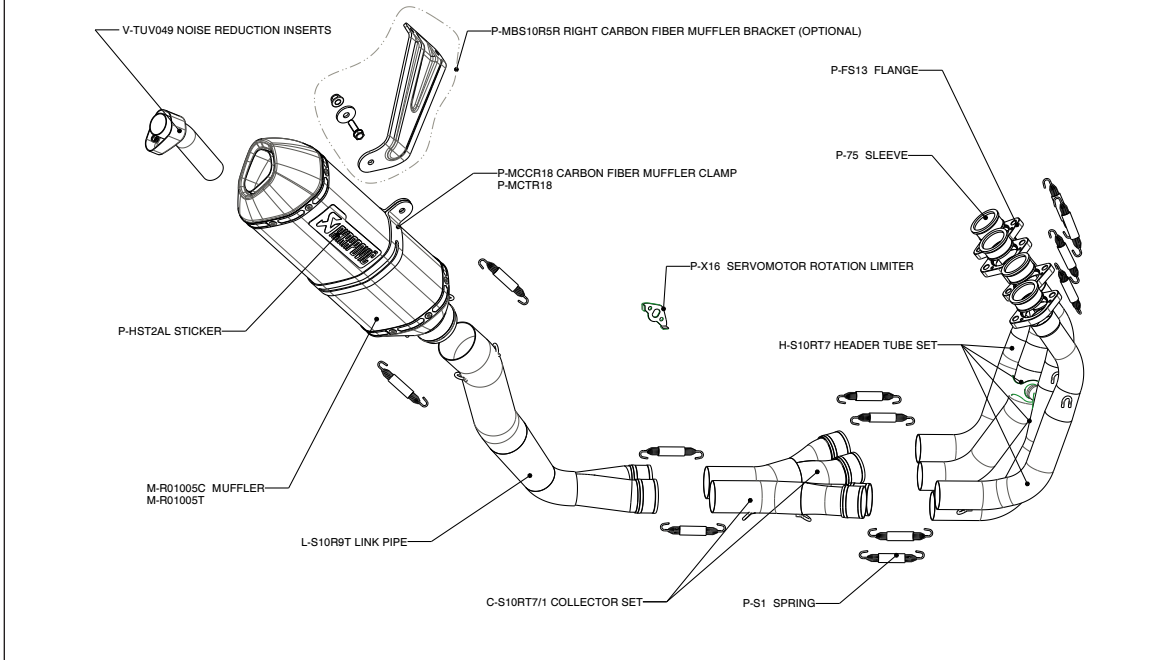
**SUZUKI GSX-R 1000/ Complete exhaust system/ RACING LINE SINGLE,
model year: 2009**

**Product code: S-S10R9-RC
S-S10R9-RT**



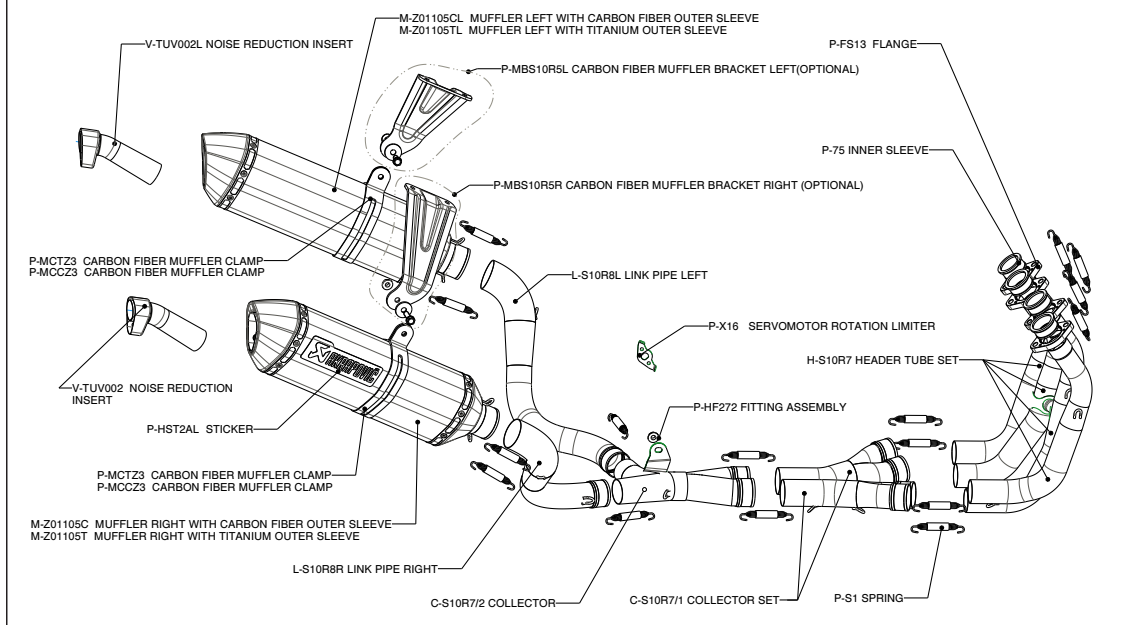
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model year: 2009**

**Product code: S-S10E1-RC
S-S10E1-RT**



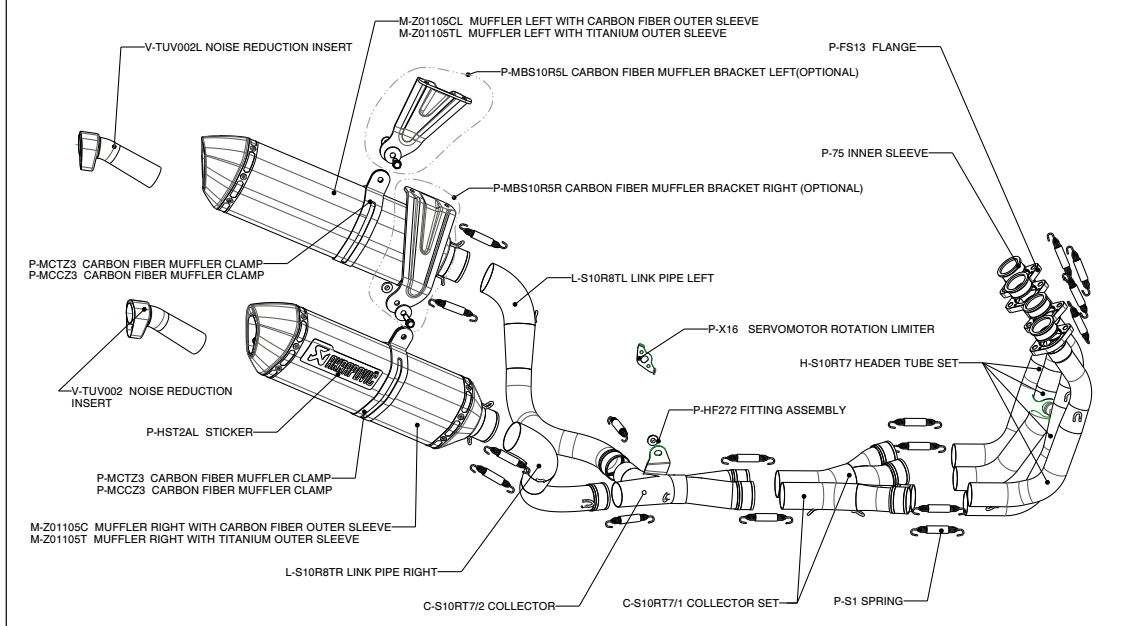
SUZUKI GSX-R 1000/ Complete exhaust system/ RACING LINE TWIN,
model year: 2009

Product code: S-S10R8-ZC
S-S10R8-ZT



SUZUKI GSX-R 1000/ Complete exhaust system/ EVOLUTION LINE TWIN,
model year: 2009

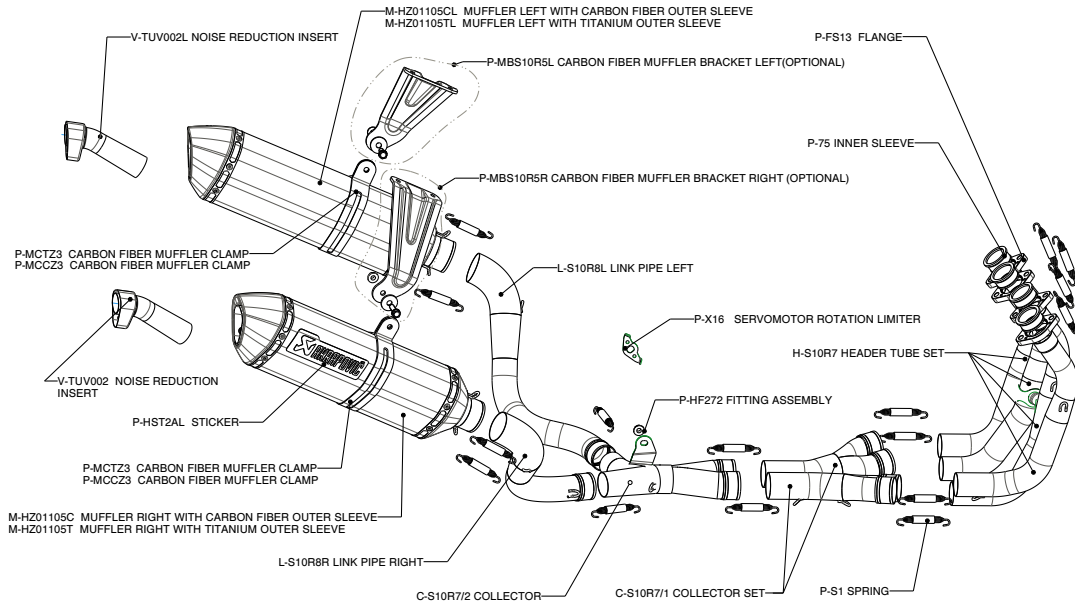
Product code: S-S10RFT8T-ZC
S-S10RFT8T-ZT



**SUZUKI GSX-R 1000/ Complete exhaust system/ RACING LINE TWIN
with homologated mufflers, model year: 2009**

**Product code: S-S10R8-ZC/1
S-S10R8-ZT/1**

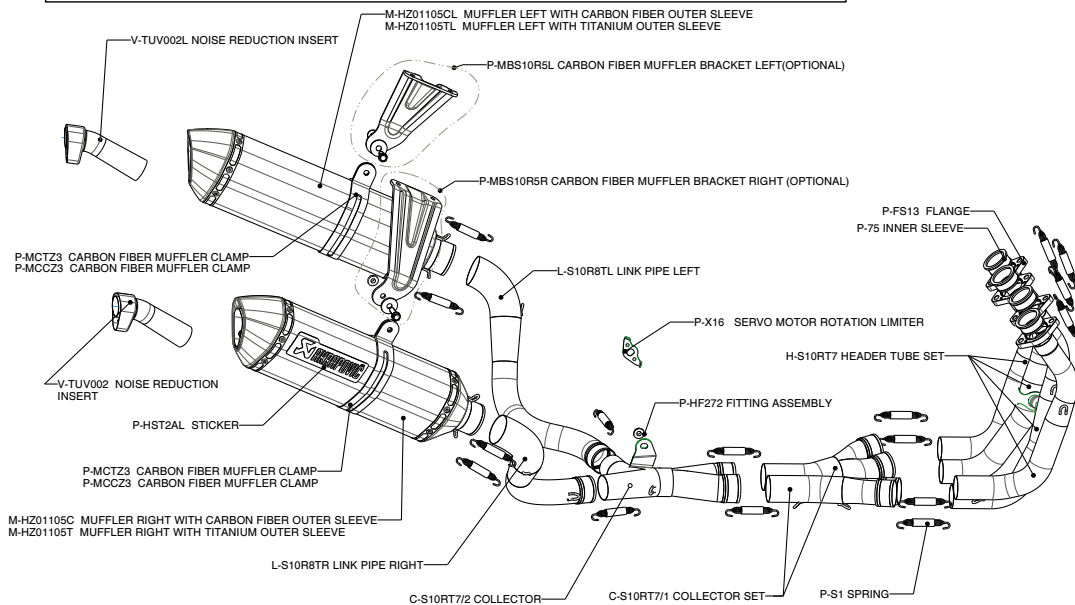
WARNING! IN CASE OF COMBINATION WITH RACING TUBE SET, THE SLIP-ON HOMOLOGATION IS NOT VALID!



**SUZUKI GSX-R 1000/ Complete exhaust system/ EVOLUTION LINE TWIN
with homologated mufflers, model year: 2009**

**Product code: S-S10RFT9T-ZC/1
S-S10RFT9T-ZT/1**

WARNING! IN CASE OF COMBINATION WITH EVOLUTION TUBE SET, THE SLIP-ON HOMOLOGATION IS NOT VALID!



SUZUKI GSX-R 1000/ Complete exhaust system/ EVOLUTION LINE TWIN with CZ muffler
model year: 2009

Product code: S-S10RFT7T-XT

